

Installing the Natural UTM Interface

This document describes step by step how to install the Natural UTM Interface.

The following topics are covered:

- Prerequisites
- Installation Tape for the Natural UTM Interface
- Installation Procedure for the Natural UTM Interface

For information on how to operate the Natural UTM Interface, refer to Natural under UTM (in the Natural TP Monitor Interfaces documentation).

Prerequisites

Base Natural must be installed under BS2000/OSD.

See Installing Natural Under BS2000/OSD.

Installation Tape for the Natural UTM Interface

The installation tape contains the datasets listed in the table below. The sequence of the datasets is shown in the **Report of Tape Creation** which accompanies the installation tape.

Dataset Name	Contents
NUT nnn .MACS	Macros necessary for Natural/UTM
NUT nnn .SRCE	Sources necessary for Natural/UTM

The notation nnn in dataset names represents the version number of the product.

Copying the Tape Contents to Disk

If you are not using System Maintenance Aid: Adapt and run job E.NUTTAPE to copy the datasets from tape to disk.

E.NUTTAPE is contained in job dataset NAT nnn .JOBS on the Natural installation tape (see Installation Tape for Natural under BS2000/OSD). The sample jobs directly use the sequential datasets from tape.

The dataset type and the space each dataset requires on disk are shown in the **Report of Tape Creation**.

Installation Procedure for the Natural UTM Interface

Step 1: Assemble the Natural UTM BS2Stub Module

(Job I055, Step 0220)

Assemble source module ABS2STUU in library *sma-job.LIB*.

See also Local Common Memory Pools (in the Natural Operations for Mainframes documentation).

Step 2: Generate the Swap Pool Parameter Module NTSWPRM

(Job I055, Step 0221)

Assemble and link module ANATSWP in library *sma-job.LIB*.

Step 3: Assemble the Natural UTM Non-Reentrant Front-End Part

(Job I070, Step 0112)

Assemble source module ANUTFRNT in library *sma-job.LIB*.

See also Keyword Parameters of Macro NATUTM (in the Natural TP Monitor Interfaces documentation).

Step 4: Assemble the Natural UTM Reentrant Part

(Job I070, Step 0113)

Assemble source module ANUTRENT in library *sma-job.LIB*.

See also Keyword Parameters of Macro NURENT (in the Natural TP Monitor Interfaces documentation).

Step 5: Prepare KDCDEF

(Jobs I070, Step 0119)

Prepare the sample source NUT.KDCDEF in *sma-job.LIB* for the KDCDEF module.

See also Defining the UTM Resources (KDCDEF) (in the Natural TP Monitor Interfaces documentation).

Step 6: Assemble KDCROOT

(Jobs I070, Step 0120)

Assemble the sample source AKDCROOT in *sma-job.LIB* for the KDCROOT module.

See also Generating KDCROOT (in the Natural TP Monitor Interfaces documentation).

Step 7: Generate the KDCDEF File

(Job I075, Step 0100)

Job E.I075 is a sample job to run KDCDEF.

Modify it to suit your environment.

Step 8: Assemble the Natural UTM Parameter Module -

(Job I080, Step 0200)

1. Modify the following parameters:
 FNAT= (*dbid*, *fnat*)
 FUSER= (*dbid*, *fuser*)
2. Assemble and link source module ANUTPARM in library *sma-job*.LIB.

Step 9: Link the Natural UTM Non-Reentrant Front-End Part

(Job I080, Step 0210)

Use the INCLUDE statements for TSOSLNK contained in LNUTFRNT in library *sma-job*.LIB.

Step 10: Start the Natural Swap Pool - Job I105, Step 0100

Start the Natural swap pool.

Installation Verification

1. Submit job E.START.NUT in library *sma-job*.LIB, which is a sample job for starting Natural under UTM.
2. Proceed with the steps described in the section Installation Verification for TP Monitor Interface.